Setup instruction for D-Link Wireless router

Basic concept, as with LAN connection the Arcadis will have the local and all destination nodes programmed as normal with network information supplied by hospital network administrator. The wireless router will also have a separate (unique) 'local' IP and security information also supplied by the hospital network administrator.

The concept here is, when all programming is complete & successful the Arcadis can be plugged directly into the hospital network via the LAN (cable) or WLAN (wireless). If for any reason there is a wireless system failure, the Arcadis can be reconnect to the network via LAN (cable) without any reconfiguration because the wireless router runs in tandem to Arcadis networking.

Programming the wireless router (IP & security features) is done from the Arcadis directly 'internet explorer' under administrator rights. First contact must be made with the WLAN router using predefined 'service' IP number and configured as below.

Because the WLAN router has different IP range to hospital it's necessary to change the Arcadis local IP, Subnet mask to facilitate communication with router (D-Link). (After router configuration the Arcadis local IP has to be changed back to original IP).

Information needed to program the wireless adapter properly: This Info Is supplied by hospital network Admin.
1. IP address for the wireless adapter
2. IP address for the Arcadis
3. IP address for the gateway/router for the subnet
4. Subnet mask for the subnet
5. Wireless security settings
6. Wireless access point SSID

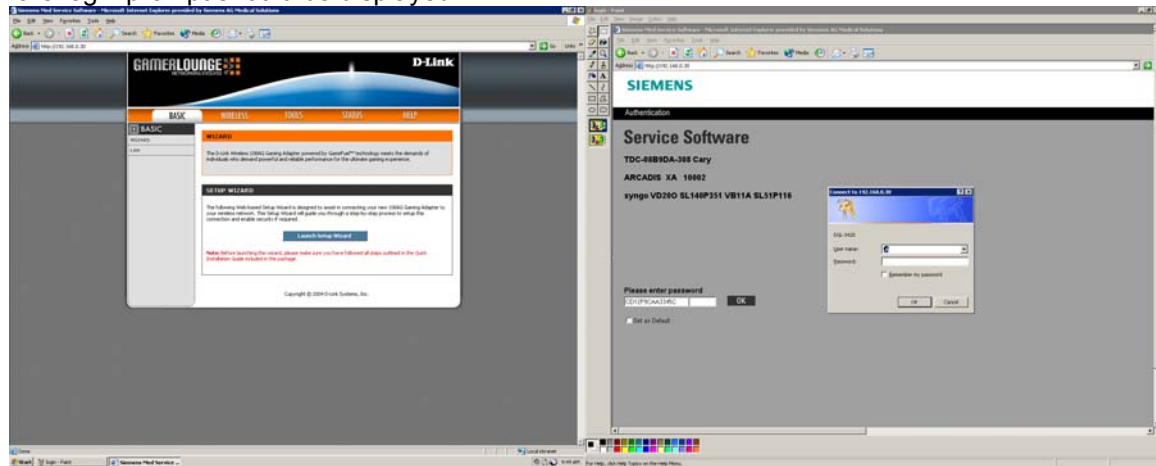The wireless adapter is put on the network and connected to the Arcadis.

First we need to connect to the wireless adapter. To do this in windows
   -Go to the administrator login on the Arcadis
   -Go to Control Panel
   -Go to Network and Dial up settings
   -Go to the properties for the LAN connection
   -Select TCP/IP and click on properties.
   -Enter the IP address 192.168.0.1
   - Remove Default Gateway and DNS
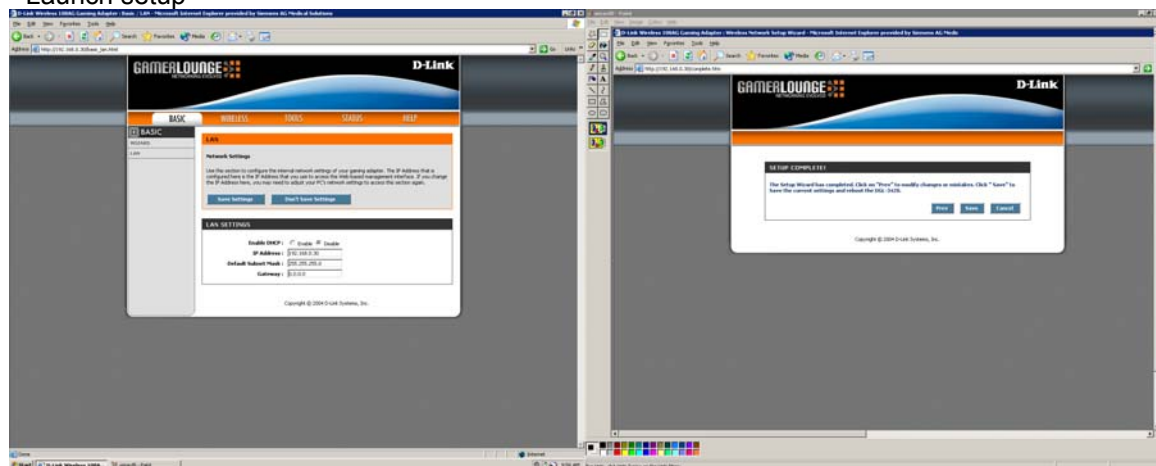   -Enter the sub net mask 255.255.255.0
   -Press okay

Start Internet explorer
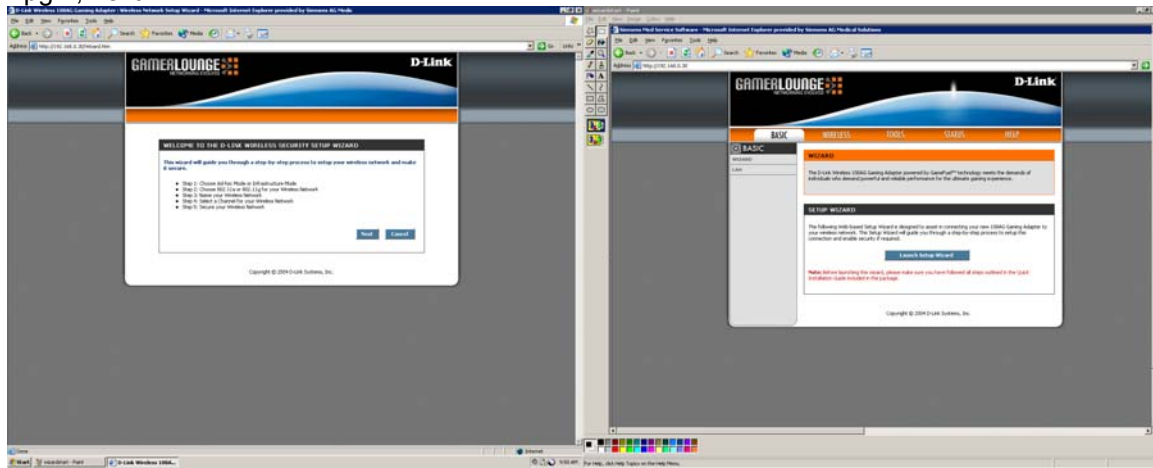   -in the address line type in the IP address 192.168.0.30, go

-the login prompt should be displayed.
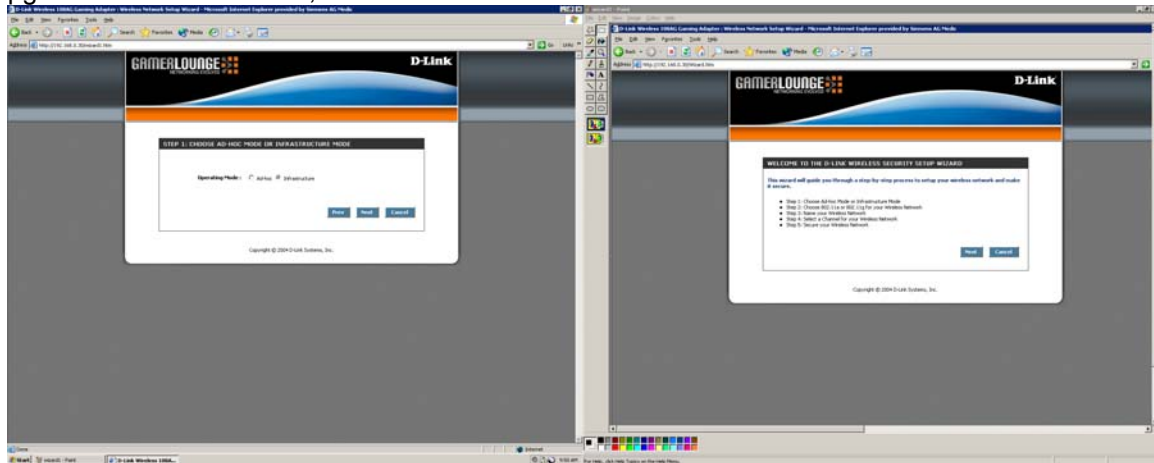

-In the username: type 'admin' and then press enter No Password required
-The D-Link web based utility will start.
-Click on wizard and then follow the prompts entering the information for the wireless network to connect to
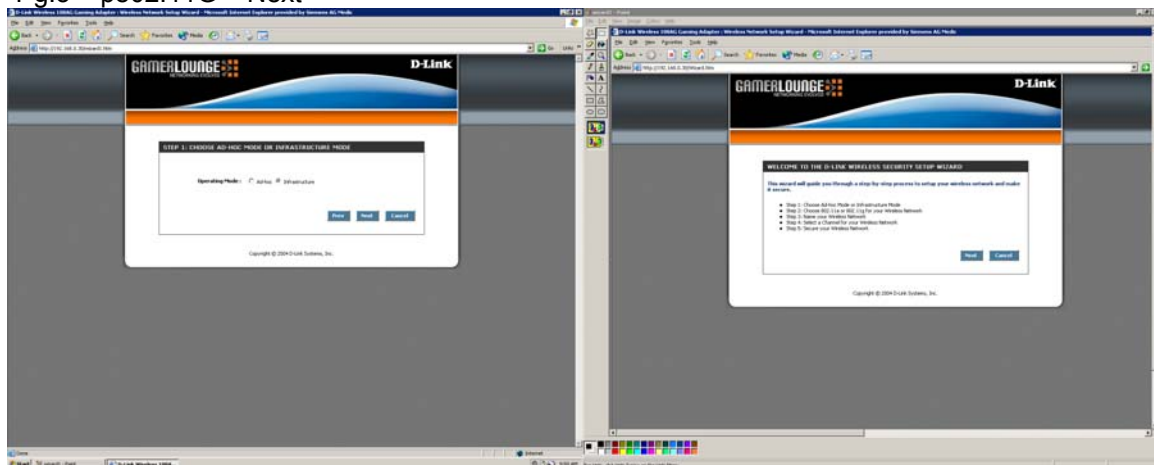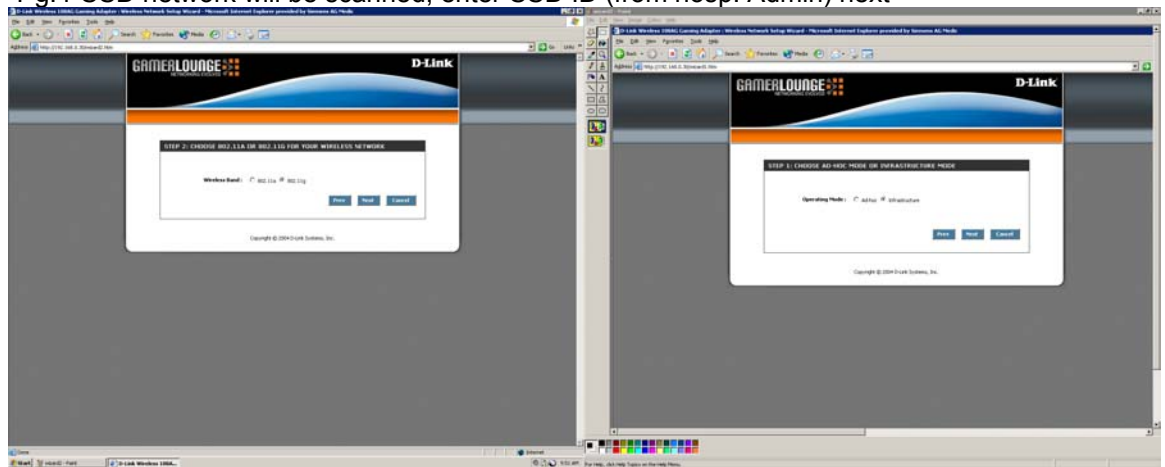-Launch setup

-pg.1, next
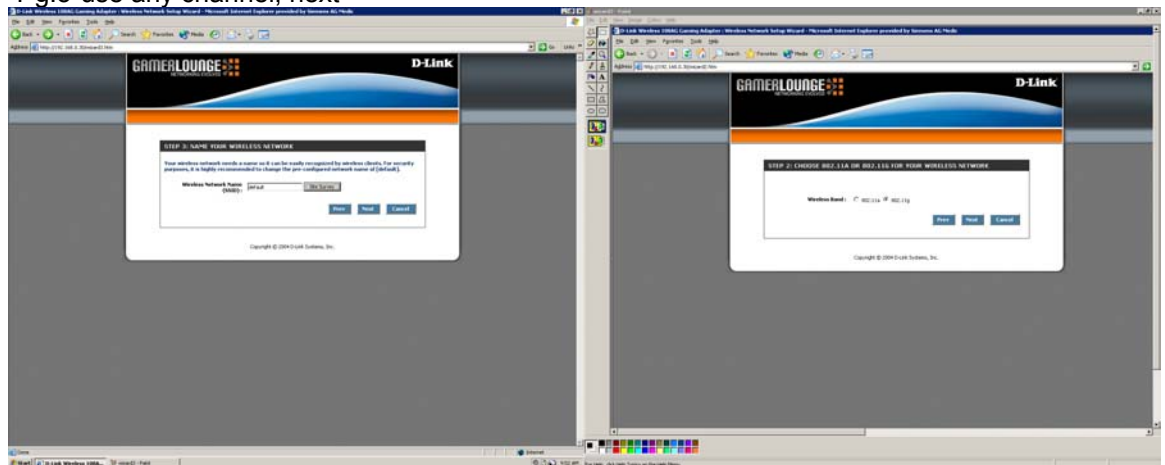

-pg.2 use as infrastructure, next.

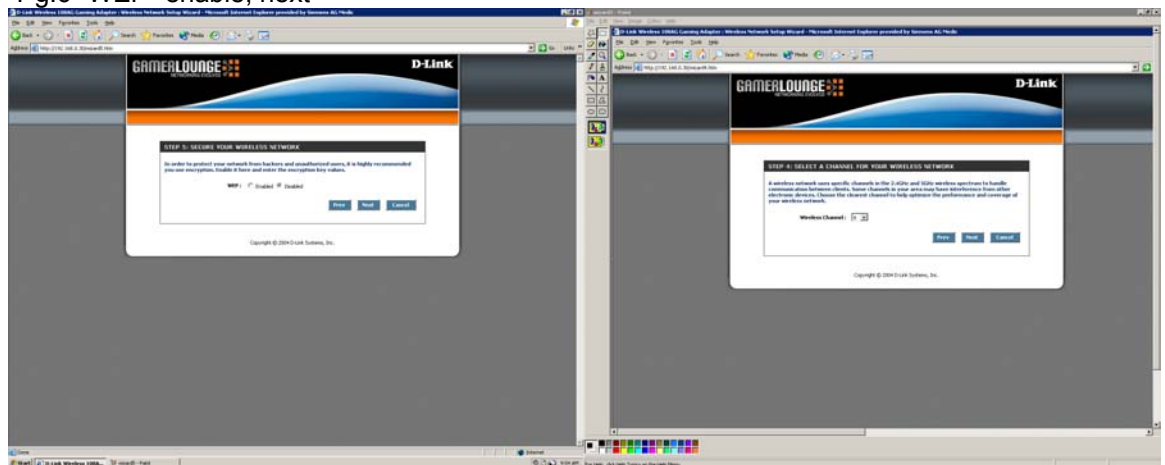

-Pg.3 – p802.11G – Next

-Pg.4-SSD network will be scanned, enter SSD ID (from hosp. Admin) next
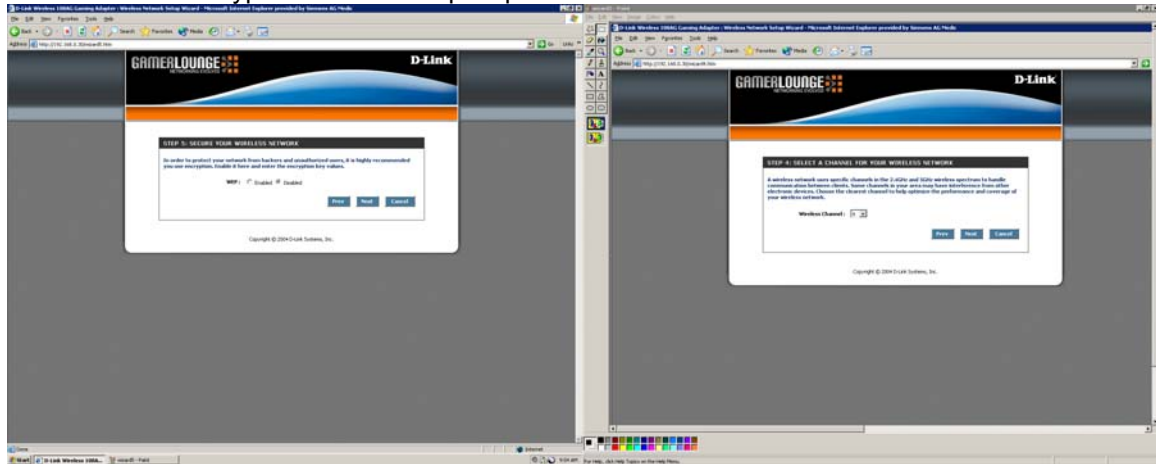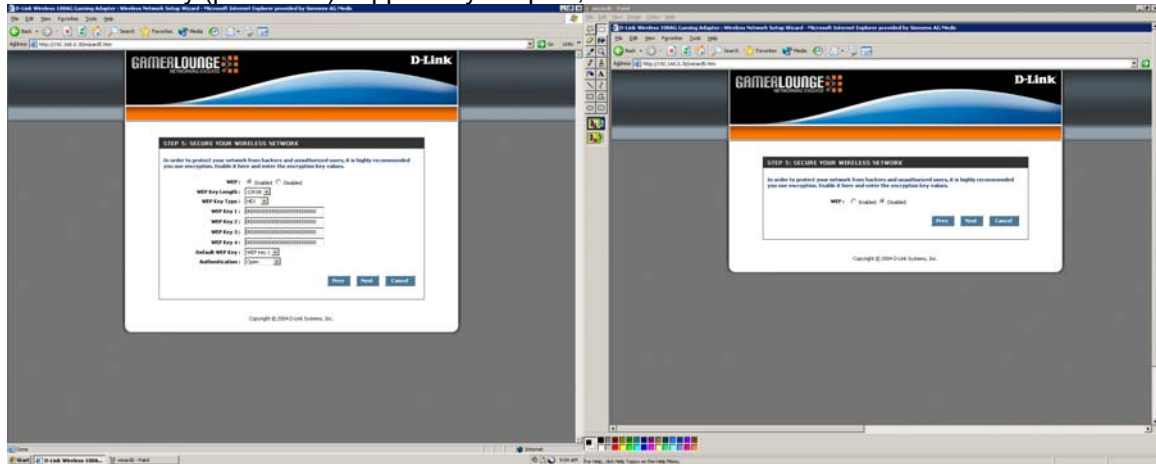

-Pg.5-use any channel, next

-Pg.6- WEP- enable, next

-select 128 bit encryption or what hospital prefers

-Enter WEP key (password) supplied by hospital, next

  -Pg.7 - save
  -When done click on LAN on the left side of menu (you are still in router)
  -Type in the one of the two newly assigned IP addresses from the PACS administrator
  -Type in the subnet mask
  -Type in the gateway IP address
  - Do not select DHCP
  -press save changes.

Go back to Arcadis control panel
  -Go to Control Panel
  -Go to Network and Dial up settings
  -Go to the properties for the LAN connection
  -Select TCP/IP and click on properties.
  -Enter the second assigned IP address (Supplied by PACS administrator)
  -Enter the appropriate subnet mask
  -Press okay
  -Reboot the system.

It should work at this point